Right to Know Hazardous Substance Fact Sheet

Emergency Responders Quick Reference

Common Name: **AMMONIUM OXALATE**

Synonym: Diammonium Oxalate
CAS No: 1113-38-8
Molecular Formula: $C_2H_8N_2O_4$
RTK Substance No: 0108
Description: Odorless, colorless, crystalline powder

HAZARD DATA

Hazard Rating	Firefighting	Reactivity
2 - Health **1 - Fire** **0 - Reactivity** **DOT#:** UN 2811 **ERG Guide #:** 154 **Hazard Class:** 6.1 (Poison)	**Ammonium Oxalate** may burn, but does not readily ignite. Use dry chemical, CO_2, water spray or foam as extinguishing agents. POISONOUS GASES ARE PRODUCED IN FIRE, including *Ammonia* and *Nitrogen Oxides*. Use water spray to keep fire-exposed containers cool.	**Ammonium Oxalate** will react with solutions of SODIUM HYPOCHLORITE; AMMONIUM ACETATE; and STRONG ACIDS (such as HYDROCHLORIC, SULFURIC and NITRIC). **Ammonium Oxalate** is not compatible with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE).

SPILL/LEAKS

Isolation Distance:

Spill: 25 meters (75 feet)

Fire: 800 meters (1/2 mile)

Collect powdered material in the most convenient and safe manner and place into sealed containers for disposal.

DO NOT wash into sewer.

PHYSICAL PROPERTIES

Odor Threshold:	Odorless
Specific Gravity:	1.5 (water = 1)
Water Solubility:	Slightly soluble
Melting Point:	158°F (70°C)
Molecular Weight:	124.1
pH:	6.4

EXPOSURE LIMITS

The Protective Action Criteria values are:

PAC-1 = 0.5 mg/m^3
PAC-2 = 4 mg/m^3
PAC-3 = 20 mg/m^3

PROTECTIVE EQUIPMENT

Gloves:	Nitrile and Natural Rubber
Coveralls:	Tyvek®
Respirator:	>0.5 mg/m^3 - SCBA

HEALTH EFFECTS

Eyes:	Irritation and burns
Skin:	Irritation and burns
Inhalation:	Nose, throat and lung irritation with coughing, wheezing and shortness of breath Headache, dizziness, nausea and vomiting, convulsions, coma and even death

FIRST AID AND DECONTAMINATION

Remove the person from exposure.

Flush eyes with large amounts of water for at least 15 minutes. Remove contact lenses if worn. Seek medical attention.

Quickly remove contaminated clothing and wash contaminated skin with large amounts of soap and water.

Begin artificial respiration if breathing has stopped and CPR if necessary.

Transfer promptly to a medical facility.